

FIG. 1 is a block diagram of a network system 100. The system 100 includes a plurality of proxy servers (P10, P20, P30) connected to a central cloud labeled "THE INTERNET". The proxy servers are connected to the Internet via bidirectional arrows. The proxy servers are represented as server racks with multiple horizontal slots. The proxy servers are labeled PROXY P10, PROXY P20, and PROXY P30. The Internet cloud is connected to three mobile devices (10, 20, 30) via arrows. Mobile device 10 is connected to PROXY P10, mobile device 20 is connected to PROXY P20, and mobile device 30 is connected to PROXY P30. Mobile device 10 is labeled 10, mobile device 20 is labeled 20, and mobile device 30 is labeled 30. Mobile device 10 is also labeled 12. Mobile device 20 is also labeled 32. Mobile device 30 is also labeled 22. The mobile devices are represented as handheld devices with screens and buttons. The screens of mobile devices 10 and 20 display a checkmark and a plus sign. The screen of mobile device 30 displays a checkmark and a plus sign. The mobile devices are labeled 10, 20, and 30. The mobile devices are also labeled 12, 32, and 22. The mobile devices are connected to the Internet via arrows. The mobile devices are labeled 10, 20, and 30. The mobile devices are also labeled 12, 32, and 22. The mobile devices are connected to the Internet via arrows. The mobile devices are labeled 10, 20, and 30. The mobile devices are also labeled 12, 32, and 22.

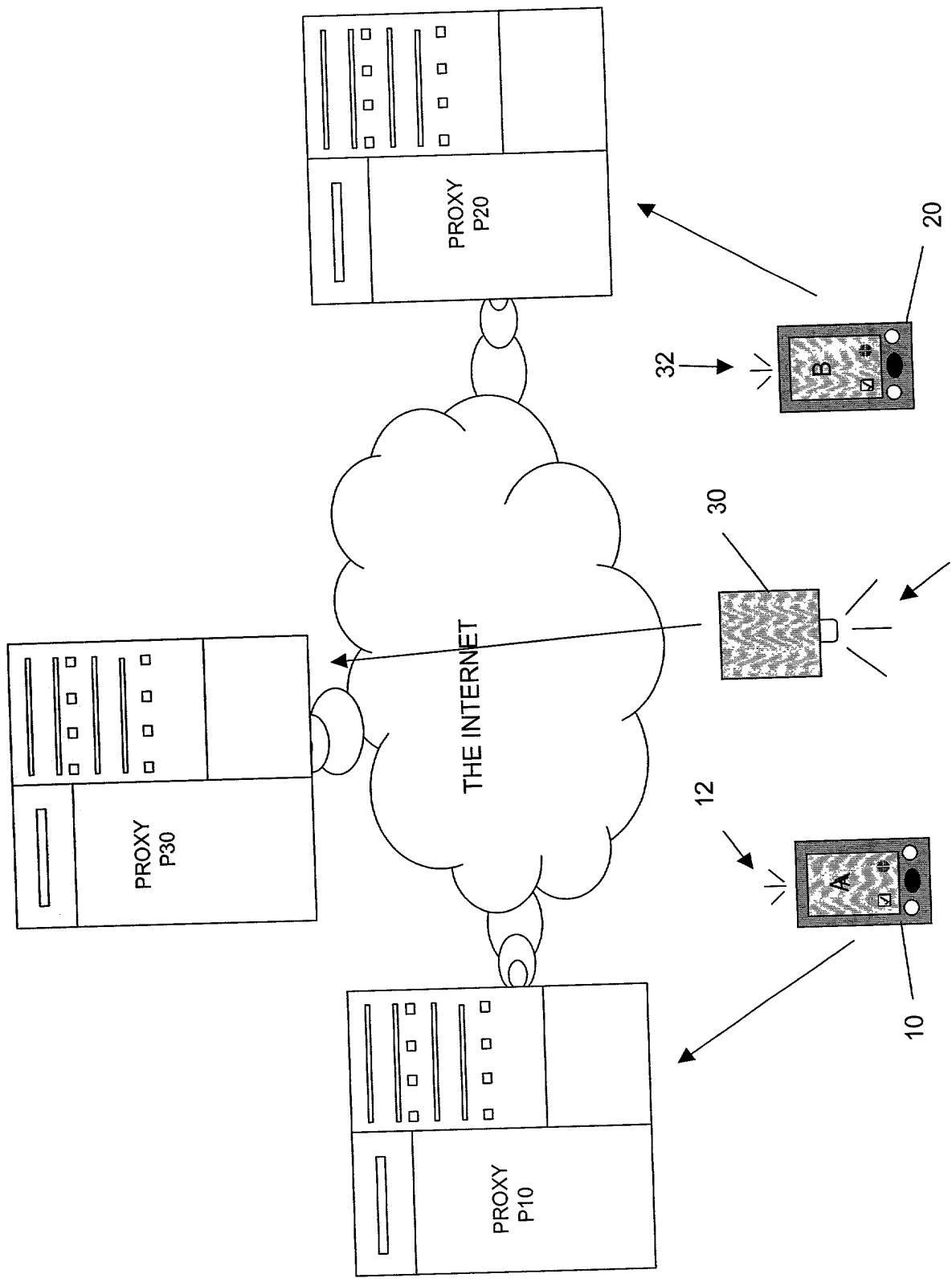


Fig. 1 22

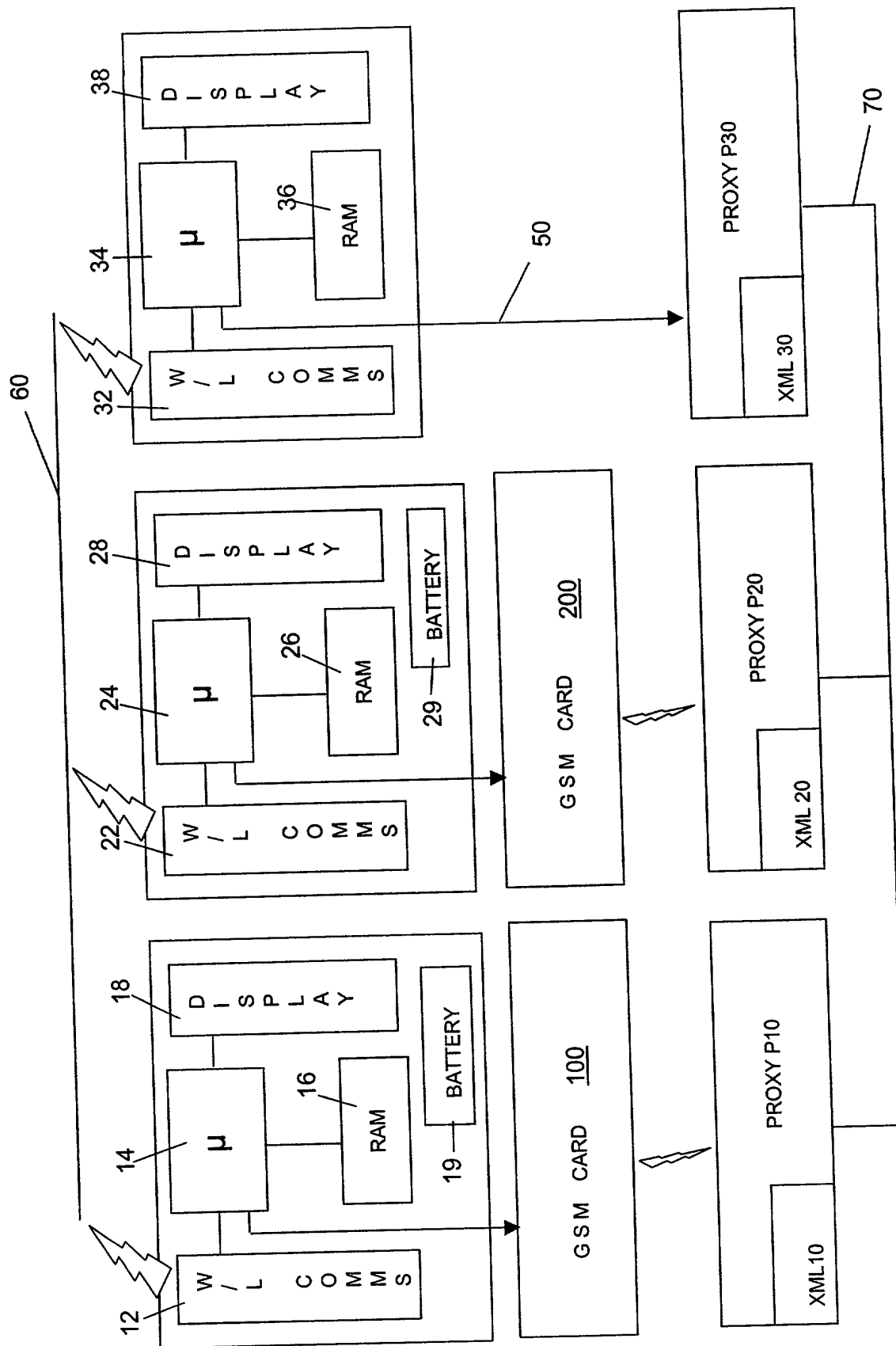


Fig. 2

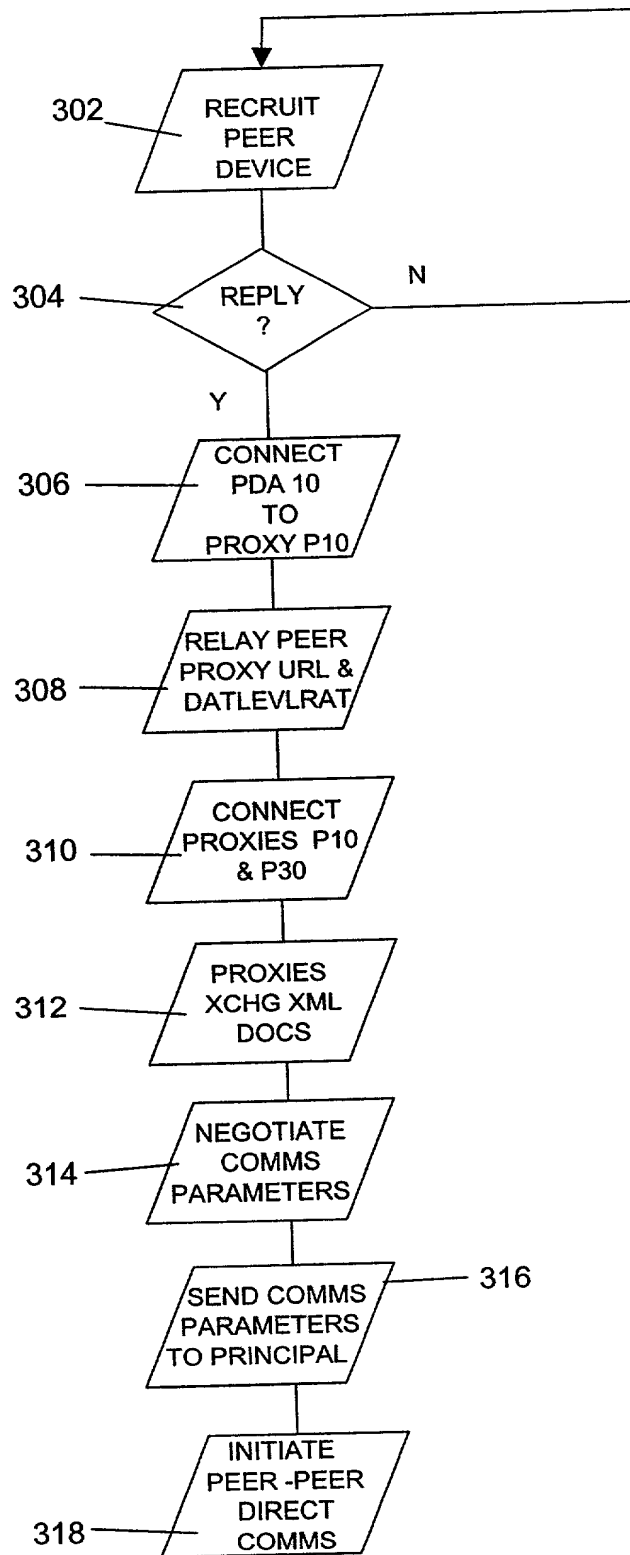


Fig. 3

Fig. 4A is a flowchart illustrating a process for exchanging data documents (402) and returning H.C.S. to P30 (408). The process involves several decision points (410, 412, 414, 416, 418, 424, 426, 430, 432, 434) and loops (420, 436). The process starts with EXCHANGE DATA DOCS (402), followed by R = 1; Q = 1; S = 1 (404). It then enters a loop where it checks if P10 DET. HIGHEST CAP. SPEC. (406) and returns H.C.S. TO P30 (408). Decision 410 (P30 OK SPEC?) leads to either a loop (420) or a disconnect (414). Decision 412 (R < X) leads to either a loop (420) or a disconnect (414). Decision 414 (DISCONNECT FROM P30) leads to SEND ERROR MSG TO PDA10 (416). Decision 416 (SEND ERROR MSG TO PDA10) leads to a loop (420). Decision 418 (P30 RTN XTR DOC?) leads to either a loop (420) or a disconnect (414). Decision 420 (AUGMENT XML30 WITH XTR DOC) leads to a loop (420). Decision 422 (R = R + 1) leads to a loop (420). Decision 424 (USER/OWNER OK?) leads to either a loop (420) or a disconnect (414). Decision 426 (P10; P30: Paymntx = ?) leads to either a loop (420) or a disconnect (414). Decision 428 (RETURN P10: Paymntx TO P30) leads to a loop (420). Decision 430 (P30 OK P10: Paymntx?) leads to either a loop (420) or a disconnect (414). Decision 432 (Q < Y?) leads to either a loop (420) or a disconnect (414). Decision 434 (P30 RTN XTR DOC?) leads to either a loop (420) or a disconnect (414). Decision 436 (AUGMENT XML30 WITH XTR DOC) leads to a loop (420). Decision 438 (Q = Q + 1) leads to a loop (420). The process ends with a downward arrow.

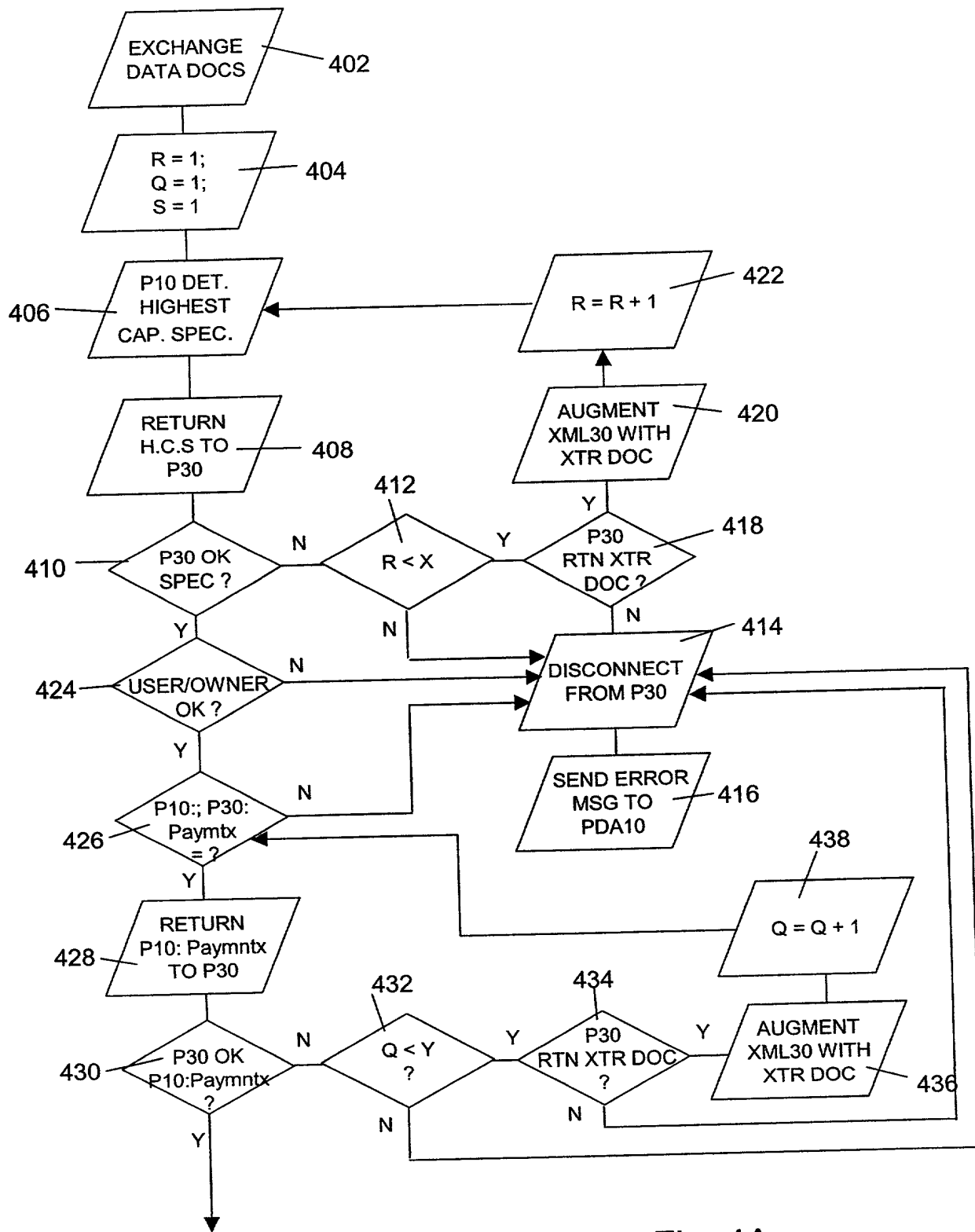


Fig. 4A

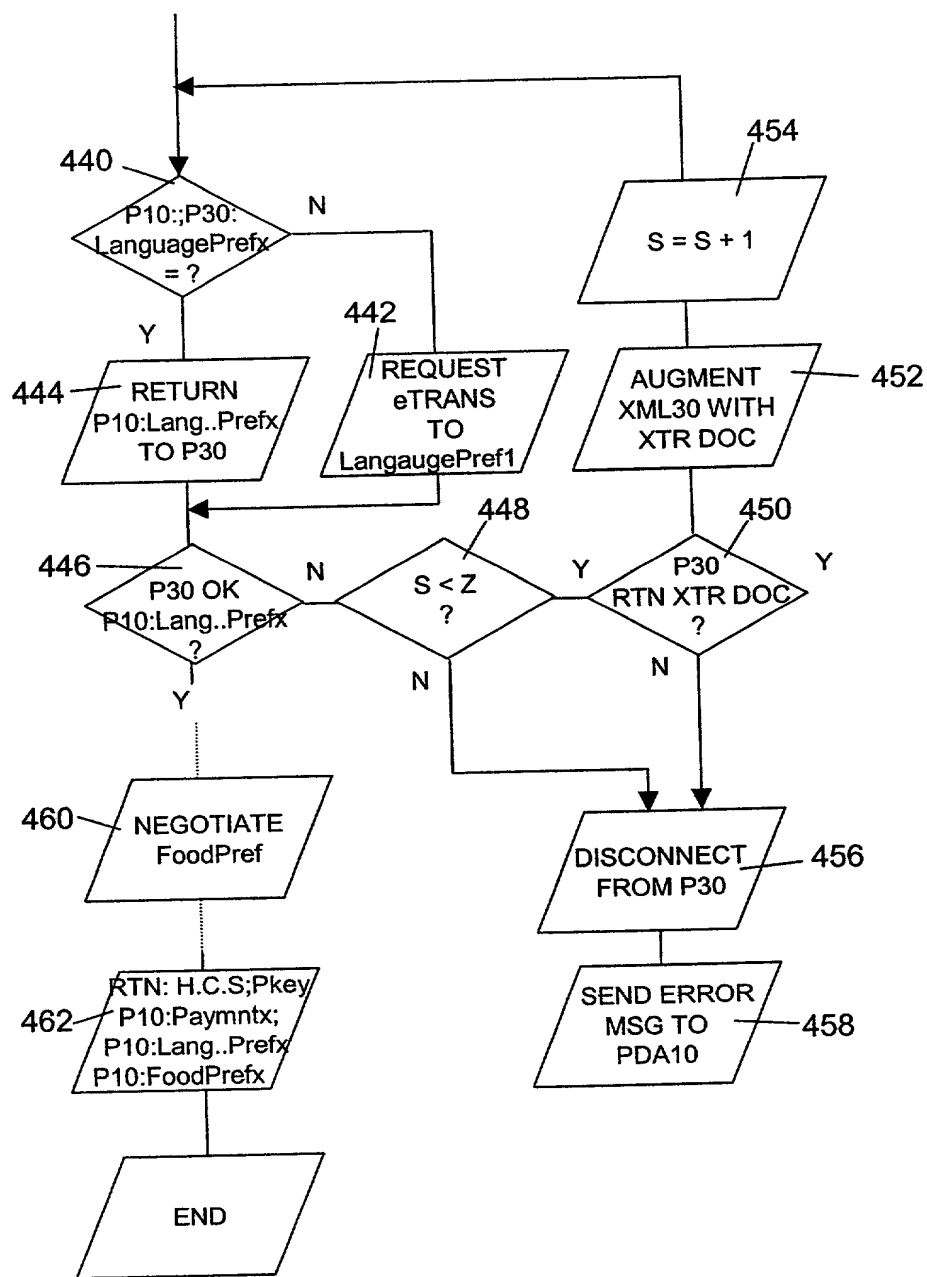


Fig. 4B

## XML10

```
<?xml version="1.0">
<P10PrincipalDataSpecDatLevlRatD>
  <P10:Capability>
    <P10:MaxBaudKbpersec> 2000 </P10:MaxBaudKbpersec>
    <P10:CacheSizeMb > 3 </P10:CacheSizeMb >
    <P10:ScreenSizePxl> 120×140 </P10:ScreenSizePxl>
    <P10:ScreenType> Colour </P10:ScreenType>
  </P10:Capability>
  <P10: OwnerUser>
    <P10:Name>Ian Curtis</P10:Name>
    <P10:Paymt1>5818 2929 1234 5678visa Expires0198</P10:Paymt1>
    <P10:Paymt2>CampagCash</P10:Paymt2>
  </P10:OwnerUser>
  <P10:PublicKey>
    Nemesis24
  </P10:PublicKey>
  <P10:PolicyInfo>
    <P10:LanguagePref1>English</P10:LanguagePref1>
    <P10:LanguagePref2>Italian</P10:LanguagePref2>
    <P10:FoodPref1>Vegetarian</P10:FoodPref1>
    <P10:FoodPref2>Fish</P10:FoodPref2>
  </P10:PolicyInfo>
</P10PrincipalDataSpecDatLevlRatD>
```

Fig. 5

### XML30

```
<?xml version="1.0">
<P30PrincipalDataSpecDatLevlRatD>
  <P30:Capability>
    <P30:MaxBaudKbpersec> 1000 </P30:MaxBaudKbpersec>
    <P30:CacheSizeMb > 2 </P30:CacheSizeMb >
    <P30:ScreenSizePxl> 90×100 </P30:ScreenSizePxl>
    <P30:ScreenType> BlackandWhite </P30:ScreenType>
  </P30:Capability>
  <P30:OwnerUser>
    <P30:Name>Jack Ruby</P30:Name>
    <P30:Paymt1>5234 0000 1111 2222visaExpires0200</P30:Paymt1>
  </P30:OwnerUser>
  <P30:PublicKey>
    18TitlesLFC
  </P30:PublicKey>
  <P30:PolicyInfo>
    <P30:LanguagePref1>Urdu</P30:LanguagePref1>
    <P30:LanguagePref2>Italian</P30:LanguagePref2>
  </P30:PolicyInfo>
</P30PrincipalDataSpecDatLevlRatD>
```

Fig. 6

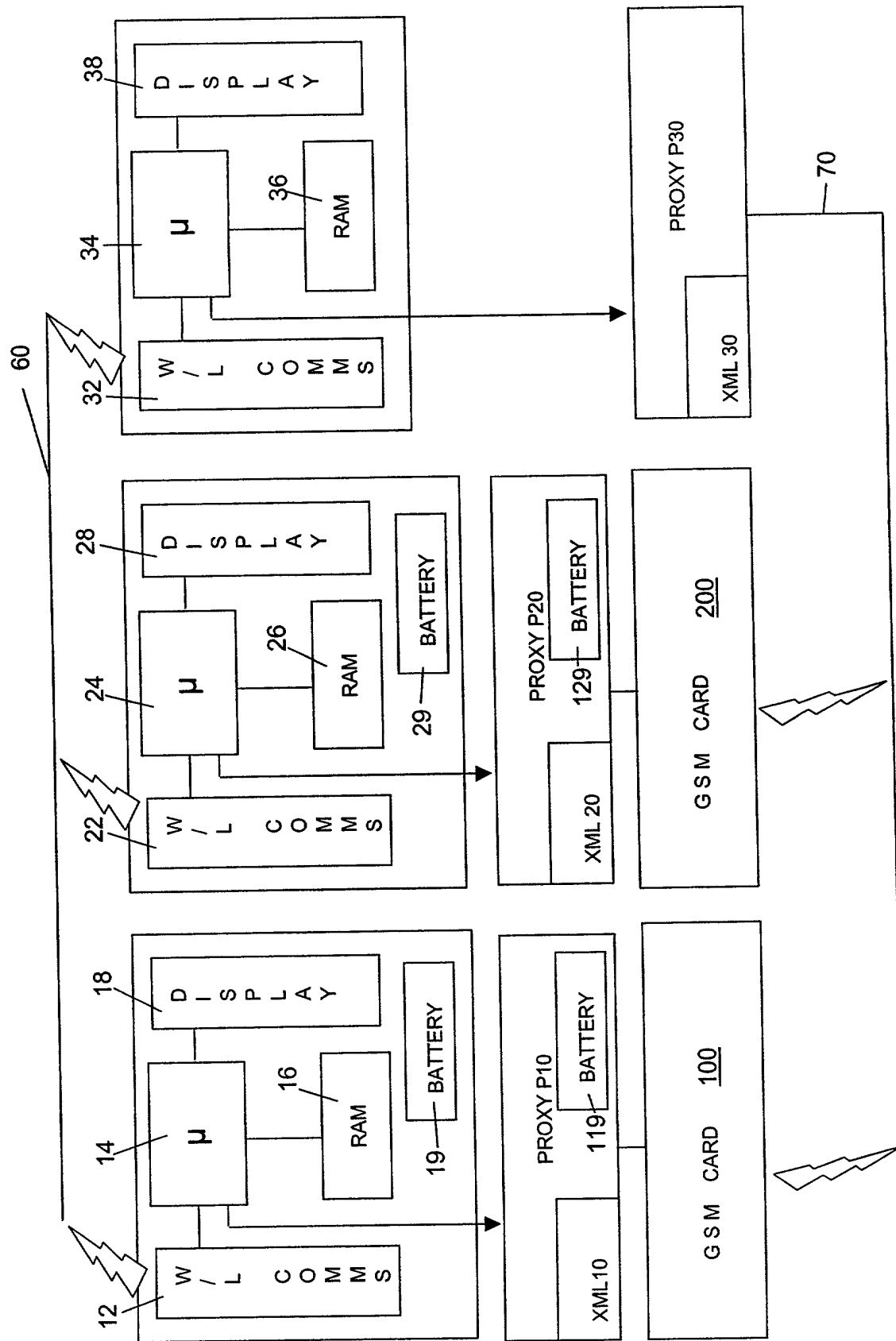


Fig. 7



FIG. 8 is a block diagram of a system 80, including a PDA 10, a proxy P10, a proxy P30, and a network 80. The PDA 10 is connected to the proxy P10 via a wireless connection. The proxy P10 is connected to the proxy P30 via a network 80. The network 80 includes a server 30A, a server 30B, a server 30C, and a server 30D. The proxy P30 is connected to the server 30A, 30B, 30C, and 30D.

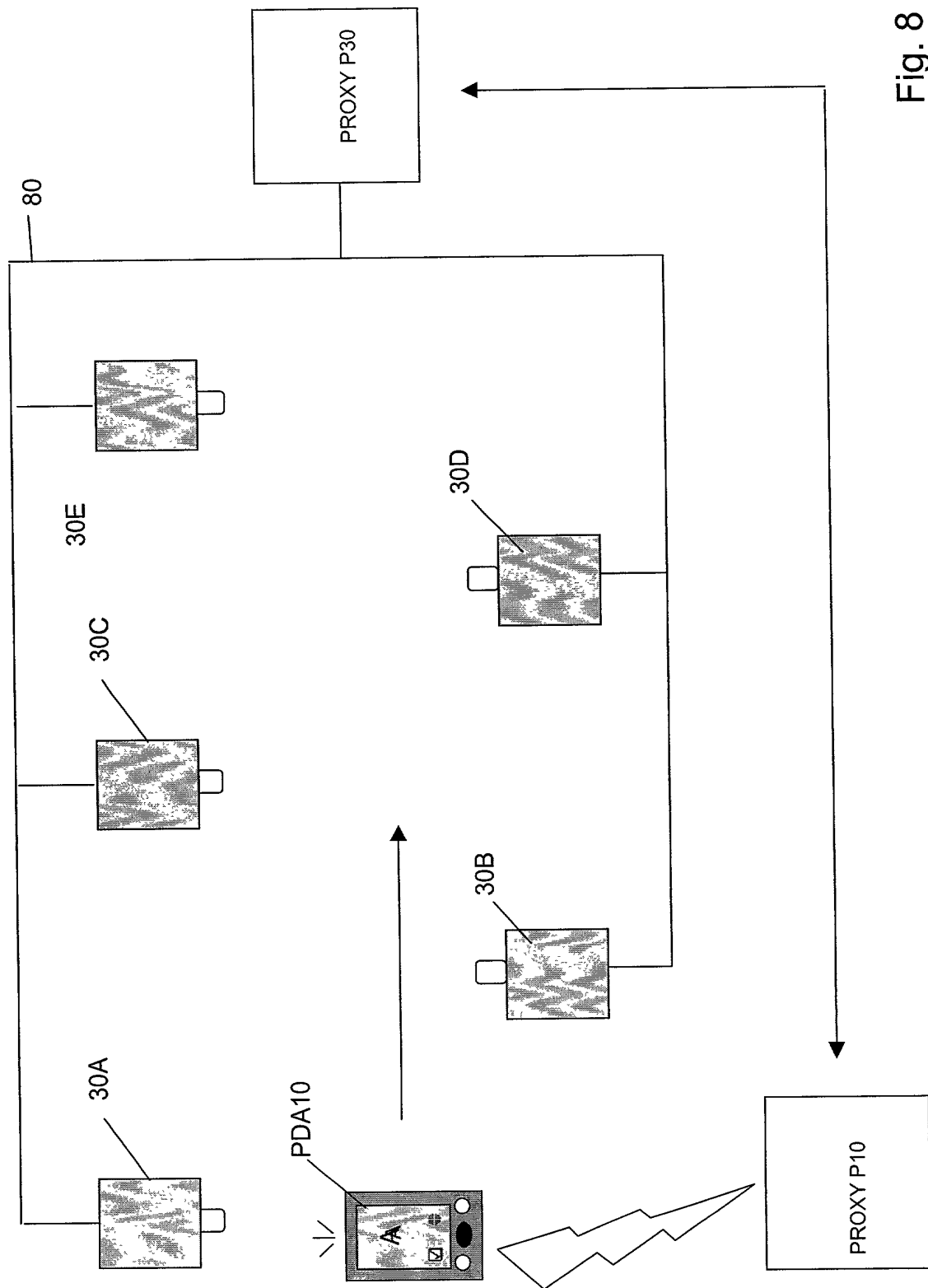


Fig. 8